

**TREE ROOT PRUNNING**

ALIGNMENT	FROM STATION	TO STATION	QUANTITY (EACH)
STUENKEL	15961+41.31	56.88 RT	1.0
STUENKEL	15961+61.25	56.76 RT	1.0
STUENKEL	15962+22.92	57.63 RT	1.0
STUENKEL	15962+55.44	58.23 RT	1.0
STUENKEL	15958+41.85	55.19 RT	1.0
STUENKEL	15965+64.32	53.80 RT	1.0
STUENKEL	15965+64.32	53.80 RT	1.0
STUENKEL	15972+55.29	50.70 RT	1.0
STUENKEL	15972+75.66	50.70 RT	1.0
STUENKEL	15972+98.45	50.70 RT	1.0
STUENKEL	15973+21.83	50.70 RT	1.0
STUENKEL	15973+44.60	50.70 RT	1.0
TOTAL			12.0

**TREE REMOVAL (OVER 15 UNITS DIA.)**

ALIGNMENT	FROM STATION	TO STATION	QUANTITY (UNIT)
STUENKEL	15963+75.11	42.54 RT	30.0
STUENKEL	15964+45.17	39.42 RT	30.0
STUENKEL	15975+77.68	41.33 RT	16.0
STUENKEL	15976+06.77	41.33 RT	16.0
STUENKEL	15977+12.78	45.12 LT	36.0
TOTAL			128.0

**NOTE:** TREE LOCATIONS AND SIZE ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL TREES WITHIN THE RIGHT OF WAY. THE ENGINEER SHALL APPROVE WHICH TREES WILL BE REMOVED.

**TREE REMOVAL, ACRES**

ALIGNMENT	FROM		TO		QUANTITY (ACRE)
	STATION	OFFSET	STATION	OFFSET	
STUENKEL	15983+32.23	36.08 LT	15986+70.43	60.00 LT	0.1
STUENKEL	15982+28.98	28.17 RT	15986+53.36	21.81 RT	0.3
TOTAL					0.5

**CHAIN LINK FENCE REMOVAL**

ALIGNMENT	FROM		TO		QUANTITY (FOOT)
	STATION	OFFSET	STATION	OFFSET	
HARLEM	593+39.37	33.07 RT	592+46.72	33.61 RT	110
HARLEM	592+12.10	33.47 RT	590+66.31	33.56 RT	155
TOTAL					265

**REMOVE SIGN PANEL ASSEMBLY - TYPE A**

ALIGNMENT	STATION	OFFSET	SIGN DESIGNATION	QUANTITY (EACH)
STUENKEL ROAD	15948+30.17	16.44 LT	R12-1, R12-1	1
STUENKEL ROAD	15948+88.98	20.74 RT	R1-1, W4-4P	1
STUENKEL ROAD	15949+51.22	29.35 RT	D3-1, D3-1	1
STUENKEL ROAD	15949+60.87	21.42 LT	R1-1, W4-4P	1
TOTAL:				4

**TREE REMOVAL (6 TO 15 UNITS DIA.)**

ALIGNMENT	FROM STATION	TO STATION	QUANTITY (UNIT)
STUENKEL	15947+30.31	29.72 LT	8.0
STUENKEL	15947+35.92	29.67 LT	12.0
STUENKEL	15952+94.25	47.76 RT	6.0
STUENKEL	15953+12.12	47.76 RT	6.0
STUENKEL	15953+11.00	47.76 RT	6.0
STUENKEL	15953+48.45	47.76 RT	6.0
STUENKEL	15953+64.53	47.76 RT	6.0
STUENKEL	15953+83.50	47.76 RT	6.0
STUENKEL	15954+00.14	47.76 RT	8.0
STUENKEL	15954+46.70	47.50 RT	6.0
STUENKEL	15954+67.01	47.20 RT	6.0
STUENKEL	15954+85.99	47.20 RT	8.0
STUENKEL	15955+02.14	47.20 RT	6.0
STUENKEL	15955+21.82	47.20 RT	6.0
STUENKEL	15955+39.57	47.20 RT	8.0
STUENKEL	15955+57.31	47.20 RT	8.0
STUENKEL	15955+76.70	47.20 RT	6.0
STUENKEL	15956+45.21	43.64 RT	8.0
STUENKEL	15956+85.22	49.73 RT	8.0
STUENKEL	15958+30.82	45.22 RT	6.0
STUENKEL	15958+30.82	45.22 RT	8.0
STUENKEL	15959+29.02	47.97 RT	8.0
STUENKEL	15959+54.23	47.53 RT	8.0
STUENKEL	15959+78.49	47.00 RT	8.0
STUENKEL	15959+92.15	46.21 RT	6.0
STUENKEL	15960+03.60	46.32 RT	6.0
STUENKEL	15960+15.83	45.86 RT	6.0
STUENKEL	15960+28.61	46.35 RT	6.0
STUENKEL	15963+34.42	47.81 RT	10.0
STUENKEL	15963+41.06	49.14 RT	12.0
STUENKEL	15965+37.14	40.67 RT	12.0
STUENKEL	15965+37.14	40.67 RT	8.0
STUENKEL	15966+00.57	42.54 RT	13.0
STUENKEL	15973+65.65	50.70 RT	12.0
STUENKEL	15973+45.27	54.95 RT	7.0
STUENKEL	15973+81.14	50.70 RT	12.0
STUENKEL	15973+95.29	50.70 RT	10.0
STUENKEL	15974+26.80	49.36 RT	12.0
STUENKEL	15974+44.66	49.31 RT	12.0
STUENKEL	15974+61.69	49.26 RT	9.0
STUENKEL	15974+88.40	49.26 RT	6.0
STUENKEL	15975+09.66	49.12 RT	10.0
STUENKEL	15976+33.27	41.33 RT	10.0
STUENKEL	15976+62.68	41.33 RT	12.0
STUENKEL	15976+83.36	56.24 RT	9.0
STUENKEL	15978+40.78	45.12 LT	6.0
STUENKEL	15978+91.85	42.52 LT	6.0
STUENKEL	15979+11.00	42.52 LT	8.0
STUENKEL	15979+30.03	42.52 LT	6.0
STUENKEL	15979+47.23	42.52 LT	6.0
HARLEM	599+14.02	36.69 LT	11.0
TOTAL			415

**NOTE:** TREE LOCATIONS AND SIZE ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL TREES WITHIN THE RIGHT OF WAY. THE ENGINEER SHALL APPROVE WHICH TREES WILL BE REMOVED.

**DRIVEWAY PAVEMENT REMOVAL**

ALIGNMENT	TYPE	STATION	OFFSET	QUANTITY (SQ YD)
HARLEM	P.E.	592+27.47	RT	117
HARLEM	P.E.	596+46.88	RT	66
STUENKEL	P.E.	15952+71.52	RT	57
STUENKEL	P.E.	15954+29.34	RT	110
STUENKEL	P.E.	15957+74.55	RT	86
STUENKEL	P.E.	15958+93.40	RT	93
STUENKEL	P.E.	15963+10.27	RT	74
STUENKEL	P.E.	15965+86.36	RT	71
STUENKEL	P.E.	15974+11.06	RT	126
STUENKEL	P.E.	15975+47.90	RT	67
STUENKEL	P.E.	15978+70.76	LT	125
STUENKEL	C.E.	15987+11.85	RT	93
STUENKEL	F.E.	15996+74.52	RT	37
TOTAL:				1121

**HOT-MIX ASPHALT SURFACE REMOVAL, 2"**

ALIGNMENT	FROM STATION	TO STATION	QUANTITY (SQ YD)
HARLEM-NORTH	609+40.32	609+55.32	25.1
HARLEM-SOUTH	589+80.01	589+95.01	23.7
STUENKEL-EAST	16002+05.00	16002+15.00	22.4
TOTAL			72.0

**HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT**

ALIGNMENT	STATION	WIDTH (FT)	LENGTH (FT)	QUANTITY (SQ YD)
HARLEM-NORTH	609+55.32	22.61	4.5	11.3
HARLEM-SOUTH	589+80.01	21.3	4.5	10.7
STUENKEL-EAST	16002+15.00	20.2	4.5	10.1
TOTAL				33.0

**PAVEMENT REMOVAL**

ALIGNMENT	FROM STATION	TO STATION	QUANTITY (SQ YD)
STUENKEL AND HARLEM	VARIES	15982+25.00	12333.5
STUENKEL ROAD	15986+00.00	16002+00.00	3563.5
TEMPORARY PAVEMENT	15982+40	15990+00	604.3
TOTAL:			16502

**EARTH EXCAVATION SCHEDULE**

LOCATION	STATION TO STATION	EARTH EXCAVATION (CU YD)	REM & DIS OF UNSUITABLE MATERIAL (CU YD)	EARTH EXC. ADJ. FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE - WASTE (+) OR SHORTAGE (-) (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)
STUENKEL ROAD	STA. 15940+50.00 TO STA. 15949+50.00	2650.5	3405.9	2252.9	646.8	1606.1	234.5
STUENKEL ROAD	STA. 15950+00.00 TO STA. 16002+00.00	8179.2	31774.4	6952.4	21642.4	-14690.0	2949.0
HARLEM AVENUE	STA. 590+00.00 TO STA. 599+50.00	1587.4	4309.0	1349.3	3547.9	-2198.6	365.6
HARLEM AVENUE	STA. 600+50.00 TO STA. 609+00.00	2850.6	4207.7	2423.0	1950.2	472.8	374.0
TOTALS =		15267.8	43696.9	12977.6	27787.3	-14809.7	3923.1
TOTALS (ROUNDED TO NEAREST 5 CU YDS) =		15270	43700	N/A	N/A	-14810	3925

**NOTES:**

- STATION LIMITS, EXCAVATION QUANTITIES, AND EMBANKMENT QUANTITIES WERE TAKEN FROM CROSS SECTIONS.
- THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL QUANTITY WAS BASED ON A ASSUMED DEPTH OF 24 INCHES ALONG STUENKEL RD, AND 24 INCHES ALONG HARLEM AVE., ADDITIONALLY, THERE ARE AREAS OF PROPOSED UNDERCUT (INCLUDED AS UNSUITABLE) AS SHOWN IN THE CROSS SECTIONS.
- EARTH EXCAVATION ADJUSTED FOR SHRINKAGE = EXCAVATION QUANTITY X (1-SHRINKAGE FACTOR (.15)).
- EARTHWORK BALANCE = EARTHWORK TO BE REMOVED (WASTE (+)) OR EARTHWORK REQUIRED (SHORTAGE (-) : PAID FOR AS FURNISHED EXCAVATION).
- ALL PAY ITEMS HAVE BEEN ROUNDED UP TO THE NEAREST 5 CUBIC YARDS.
- THE QUANTITIES REQUIRED FOR TOPSOIL EXCAVATION AND PLACEMENT HAVE BEEN SUBTRACTED FROM THE THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL QUANTITY TOTAL. THE MATERIAL TO BE USED AS TOPSOIL SHALL MEET THE REQUIREMENTS OF SECTION 211 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER.